

J.E. Cohen, J.H.B. Kemperman and G.H. Zbăganu	
A family of inequalities originating from coding of messages . . . . .	1
J.-G. Sun	
On the sensitivity of the spectral projection . . . . .	83
H.F. da Cruz and J.A. Dias da Silva	
Equality of immanantal decomposable tensors, II . . . . .	95
D. Noutsos, S. Serra Capizzano and P. Vassalos	
Asymptotic behavior of the condition number of two-level Toeplitz matrix sequences . . . . .	121
F. Wirth	
The generalized spectral radius is strictly increasing . . . . .	141
A.E. Brouwer and W.H. Haemers	
Eigenvalues and perfect matchings . . . . .	155
E.W. Ellers and O. Villa	
Siegel transformations for even characteristic . . . . .	163
D. Constantine and M. Darnall	
Lengths of finite dimensional representations of PBW algebras . . . . .	175
C.-K. Li and R.-C. Li	
A note on eigenvalues of perturbed Hermitian matrices . . . . .	183
P. Amaral and P. Barahona	
Connections between the total least squares and the correction of an infeasible system of linear inequalities . . . . .	191
J.-Y. Shao and H.-Y. Shan	
The determinantal regions of complex sign pattern matrices and ray pattern matrices . . . . .	211
J.-Y. Shao, H.-Y. Shan and L.-H. You	
Ray solvable linear systems and ray $S^2NS$ matrices . . . . .	229
Y. Hu, X. Zhang and Z. Yang	
Mixed mean inequalities for several positive definite matrices . . . . .	247
H. Ahmad	
The Witt kernels of purely inseparable quartic extensions . . . . .	265
C.R. Johnson and R. Reams	
Spectral theory of copositive matrices . . . . .	275
G. Ren, Y. Shi and Y. Wang	
Asymptotic behavior of solutions of perturbed linear difference sys- tems . . . . .	283

*Table of Contents continues*

*Table of Contents continued*

G.-S. Choi, S.-G. Hwang, I.-P. Kim and B.L. Shader ( $\pm 1$ )-Invariant sequences and truncated Fibonacci sequences . . . . .	303
I.G. Ivanov Perturbation analysis for solutions of $X \pm A^* X^{-n} A = Q$ . . . . .	313
X.-M. Tang Additive rank-1 preservers between hermitian matrix spaces and applications . . . . .	333
B. Wu, E. Xiao and Y. Hong The spectral radius of trees on $k$ pendant vertices . . . . .	343
K. Yanagi, S. Furuichi and K. Kuriyama On trace inequalities and their applications to noncommutative communication theory . . . . .	351
C.-M. Cheng and X.-Q. Jin Some stability properties of T. Chan's preconditioner . . . . .	361
R. Alam On the construction of nearest defective matrices to a normal matrix . . . . .	367
Author index to volume 395 . . . . .	371



This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier books and journals. You can register for **ContentsDirect** online at: <http://contentsdirect.elsevier.com>







ELSEVIER

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

SCIENCE @ DIRECT®

Linear Algebra and its Applications 395 (2005) 371–372

LINEAR ALGEBRA  
AND ITS  
APPLICATIONS

[www.elsevier.com/locate/laa](http://www.elsevier.com/locate/laa)

## Author index to volume 395 (2005)

- Ahmad, H., The Witt kernels of purely inseparable quartic extensions 395 (2005) 265
- Alam, R., On the construction of nearest defective matrices to a normal matrix 395 (2005) 367
- Amaral, P. and P. Barahona, Connections between the total least squares and the correction of an infeasible system of linear inequalities 395 (2005) 191
- Barahona, P., see Amaral, P. 395 (2005) 191
- Brouwer, A.E. and W.H. Haemers, Eigenvalues and perfect matchings 395 (2005) 155
- Cheng, C.-M. and X.-Q. Jin, Some stability properties of T. Chan's preconditioner 395 (2005) 361
- Choi, G.-S., S.-G. Hwang, I.-P. Kim and B.L. Shader,  $(\pm 1)$ -Invariant sequences and truncated Fibonacci sequences 395 (2005) 303
- Cohen, J.E., J.H.B. Kemperman and G.H. Zbăganu, A family of inequalities originating from coding of messages 395 (2005) 1
- Constantine, D. and M. Darnall, Lengths of finite dimensional representations of PBW algebras 395 (2005) 175
- da Cruz, H.F. and J.A. Dias da Silva, Equality of immanantal decomposable tensors, II 395 (2005) 95
- Darnall, M., see Constantine, D. 395 (2005) 175
- Dias da Silva, J.A., see da Cruz, H.F. 395 (2005) 95
- Ellers, E.W. and O. Villa, Siegel transformations for even characteristic 395 (2005) 163
- Furuichi, S., see Yanagi, K. 395 (2005) 351
- Haemers, W.H., see Brouwer, A.E. 395 (2005) 155
- Hong, Y., see Wu, B. 395 (2005) 343
- Hu, Y., X. Zhang and Z. Yang, Mixed mean inequalities for several positive definite matrices 395 (2005) 247
- Hwang, S.-G., see Choi, G.-S. 395 (2005) 303
- Ivanov, I.G., Perturbation analysis for solutions of  $X \pm A^* X^{-n} A = Q$  395 (2005) 313
- Jin, X.-Q., see Cheng, C.-M. 395 (2005) 361
- Johnson, C.R. and R. Reams, Spectral theory of copositive matrices 395 (2005) 275
- Kemperman, J.H.B., see Cohen, J.E. 395 (2005) 1
- Kim, I.-P., see Choi, G.-S. 395 (2005) 303
- Kuriyama, K., see Yanagi, K. 395 (2005) 351
- Li, C.-K. and R.-C. Li, A note on eigenvalues of perturbed Hermitian matrices 395 (2005) 183
- Li, R.-C., see Li, C.-K. 395 (2005) 183
- Noutsos, D., S. Serra Capizzano and P. Vassalos, Asymptotic behavior of the condition number of two-level Toeplitz matrix sequences 395 (2005) 121
- Reams, R., see Johnson, C.R. 395 (2005) 275
- Ren, G., Y. Shi and Y. Wang, Asymptotic behavior of solutions of perturbed linear difference systems 395 (2005) 283
- Serra Capizzano, S., see Noutsos, D. 395 (2005) 121
- Shader, B.L., see Choi, G.-S. 395 (2005) 303
- Shan, H.-Y., see Shao, J.-Y. 395 (2005) 211
- Shan, H.-Y., see Shao, J.-Y. 395 (2005) 229
- Shao, J.-Y. and H.-Y. Shan, The determinantal regions of complex sign pattern matrices and ray pattern matrices 395 (2005) 211
- Shao, J.-Y., H.-Y. Shan and L.-H. You, Ray solvable linear systems and ray  $S^2NS$  matrices 395 (2005) 229
- Shi, Y., see Ren, G. 395 (2005) 283
- Sun, J.-G., On the sensitivity of the spectral projection 395 (2005) 83

Elsevier Inc.

doi:10.1016/S0024-3795(04)00491-4

- Tang, X.-M., Additive rank-1 preservers between hermitian matrix spaces and applications 395 (2005) 333
- Vassalos, P., see Noutsos, D. 395 (2005) 121
- Villa, O., see Ellers, E.W. 395 (2005) 163
- Wang, Y., see Ren, G. 395 (2005) 283
- Wirth, F., The generalized spectral radius is strictly increasing 395 (2005) 141
- Wu, B., E. Xiao and Y. Hong, The spectral radius of trees on  $k$  pendant vertices 395 (2005) 343
- Xiao, E., see Wu, B. 395 (2005) 343
- Yanagi, K., S. Furuichi and K. Kuriyama, On trace inequalities and their applications to noncommutative communication theory 395 (2005) 351
- Yang, Z., see Hu, Y. 395 (2005) 247
- You, L.-H., see Shao, J.-Y. 395 (2005) 229
- Zbăganu, G.H., see Cohen, J.E. 395 (2005) 1
- Zhang, X., see Hu, Y. 395 (2005) 247

